

10/375,287

10/375,287

=> d his

(FILE 'HOME' ENTERED AT 16:33:04 ON 07 FEB 2004)

FILE 'STNGUIDE' ENTERED AT 16:33:17 ON 07 FEB 2004

FILE 'CAPLUS' ENTERED AT 16:46:00 ON 07 FEB 2004

L1 13434 S SAPONIF#/IA  
L2 503286 S (FAT# OR OILS#)  
L3 4194 S ((SODIUM OR POTASSIUM)(2W)BASE#/IA  
L4 0 S L1(4W)L3  
L5 771 S L1(4W)L2  
L6 0 S L5 AND L3  
L7 367547 S ((SODIUM OR POTASSIUM)(2W)(OXIDE# OR HYDROXIDE# OR  
SULFATE# O  
L8 28 S L5 AND L7  
L9 54656 S SOAP#/IA  
L10 14 S L8 AND L9  
L11 93024 S DISTILLAT#/IA  
L12 1 S L8 AND L11

FILE 'USPATFULL' ENTERED AT 16:52:45 ON 07 FEB 2004

L13 139043 S DISTILLAT?  
L14 52805 S SOAP#  
L15 342127 S ((SODIUM OR POTASSIUM)(2W)(OXIDE# OR HYDROXIDE# OR  
SULFATE# O  
L16 205613 S (FAT# OR OILS#)  
L17 6679 S ((SODIUM OR POTASSIUM)(2W)BASE#)

FILE 'CAPLUS' ENTERED AT 16:53:42 ON 07 FEB 2004

L18 13434 S SAPONIF#/IA

FILE 'USPATFULL' ENTERED AT 16:53:56 ON 07 FEB 2004

=> s separat?;s unsaponif?  
L19 2016014 SEPARAT?

L20 1151 UNSAPONIF?

=> s 119(4W)L20  
L21 48 L19(4W)L20

=> s 121 and 1115  
18 LL15  
L22 0 L21 AND LL15

=> s 121 and 115  
32 L21 AND L15

=> s 121 and 115 and 113 and 114  
L24 23 L21 AND L15 AND L13 AND L14

10/375,287

(2) (f) (4) (b)(1)(A)

=> s 554/ncl  
L25 5470 554/NCL

=> s 124 and 125  
L26 8 L24 AND L25

=> d tot ibib abs

L26 ANSWER 1 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2003:253398 USPATFULL  
TITLE: Method of recovering free fatty acids having  
low ester content and high acid value  
INVENTOR(S): Elsasser, A. Fred, Cincinnati, OH, United  
States Blewett, C. William, Lakeside Park, KY,  
United States PATENT ASSIGNEE(S): Cognis Corporation, Gulph Mills, PA, United  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6623604	B1	20030923
APPLICATION INFO.:	US 2000-586917		20000605 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Manoharan, Virginia		
LEGAL REPRESENTATIVE:	Drach, John E.		
NUMBER OF CLAIMS:	33		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0	Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	747		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			
AB Methods of recovering free fatty acids having a low ester content from alkanol-containing solutions and oil mixtures containing tocopherols are disclosed which involve atmospheric or vacuum stripping at low temperatures. The recovered fatty acids have a high acid value, and have high commercial value in the production of high quality (high acid value) products, e.g., dimerized fatty acids, useful in polyamide resins.			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 2 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2003:188739 USPATFULL  
TITLE: Method for extracting unsaponifiable matters from

10/375,287

(774) (100)

composition

INVENTOR(S):

vegetable oils using chloro-1-butane,  
containing said unsaponifiable matters  
Bardet, Sandrine, Nouere, FRANCE  
Legrand, Jacques, Neuilly-sur-Eure, FRANCE  
Piccirilli, Antoine, Versailles, FRANCE

PATENT INFORMATION:  
APPLICATION INFO.:

NUMBER	KIND	DATE
US 2003130532	A1	20030710
US 2002-181056	A1	20020712
WO 2001-FR54		20010109

PRIORITY INFORMATION:  
DOCUMENT TYPE:

NUMBER	DATE
FR 2000-333	20001201

FILE SEGMENT:  
LEGAL REPRESENTATIVE:  
NW,

utility  
APPLICATION  
FOLEY AND LARDNER, SUITE 500, 3000 K STREET  
WASHINGTON, DC, 20007

NUMBER OF CLAIMS:  
EXEMPLARY CLAIM:

17  
1  
586

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB The invention concerns a method for extracting usaponifiable  
matters  
from a vegetable oil comprising at least a saponification step  
whereby  
the oil is transformed into a hydroalcoholic solution, an step  
for  
extracting the hydroalcoholic solution with an organic solvent  
such as  
chloro-1-butane, preferably the treated vegetable oil is  
avocado or soya  
oil.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER:

2003:174246 USPATFULL

TITLE:

Process for separating unsaponifiable  
valuable products from raw materials

INVENTOR(S):

Rohr, Rodolfo, Caminas, BRAZIL  
Rohr, Raul, Aliso Viejo, CA, UNITED STATES

PATENT INFORMATION:  
APPLICATION INFO.:

NUMBER	KIND	DATE
US 2003120095	A1	20030626
US 2002-79062	A1	20020220

NUMBER	DATE
--------	------

10/375,287

*6-19-01*

PRIORITY INFORMATION: BR 2001-10106522 20011217  
DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN  
STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614

NUMBER OF CLAIMS: 24

EXEMPLARY CLAIM: 1

LINE COUNT: 1918

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are processes for separating valuable products, including unsaponifiable materials, from any given matrix of raw materials that is mainly composed of saponifiable components and unsaponifiable components. Preferred methods include converting sodium or potassium soaps obtained from the saponification of a starting material into metallic soaps which have a lower melting point, and when melted, have viscosity sufficiently low to enable processing such as by distillation/evaporation processes. Preferred raw materials include animal or vegetable products, as well as by-products, residues, and waste products from the processing of animal or vegetable products, such as from food processing, cellulose processing and the like. valuable products which may be obtained by the disclosed processes include sterols, vitamins, flavonoids, and tocopherols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:160114 USPATFULL

TITLE: Fractionation process for the unsaponifiable material

INVENTOR(S): Diaz, Miguel Angel Fuenzalida, Santiago, CHILE  
Rojas, Alejandro Markovits, Santiago, CHILE  
Schersl, Endre Markovits, Quilpue, CHILE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003109729	A1	20030612
APPLICATION INFO.:	US 2003-337074	A1	20030106 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-293282, filed on 16		
Continuation of	Apr 1999, GRANTED, Pat. No. US 6462210		
PENDING	Ser. No. US 2002-266792, filed on 7 oct 2002,		

10/375,287

6/16/04

DOCUMENT TYPE: utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: David I. Roche, BAKER & MCKENZIE, 130 E.  
Randolph Drive, Chicago, IL, 60601  
NUMBER OF CLAIMS: 41  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 2 Drawing Page(s)  
LINE COUNT: 1322

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a fractionation process of the unsaponifiable material derived from black-liquor soaps of the cellulose industry. Through this procedure fractions that essentially contain free sterols, fatty alcohols, sterol esters and fatty alcohol esters respectively are separated. Fractions containing sterols or fatty alcohols can be used as such in the alimentary, cosmetic and pharmaceutical industries or they can be used as raw materials for transforming into other useful products.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 5 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 2002:24388 USPATFULL  
TITLE: Process for extraction and concentration of  
liposoluble vitamins and provitamins, growth factors and  
animal and vegetable hormones from residues and  
by-products of industrialized animal and vegetable products  
INVENTOR(S): Rohr, Rodolfo, Campinas, BRAZIL  
Trujillo-Quijano, Jose Anibal, Campinas,  
BRAZIL  
PATENT ASSIGNEE(S): Resitec Industria Quimica LTDA, Duane de  
Caxias, BRAZIL  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6344573	B1	20020205
APPLICATION INFO.:	US 2000-668370		20000925 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Carr, Deborah D.		
LEGAL REPRESENTATIVE:	Arent, Fox, Kintner, Plotkin & Kahn		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	467		

10/375,287

1771602

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the extraction and concentration of unsaponifiable substances, containing liposoluble vitamins and provitamins, growth factors and animal and vegetable hormones, from residues of the industrialization of animal or vegetable products. This process does not require the use of solvents. Its main goal is to obtain the separation of these "valuable products", by means of distillation /evaporation at high vacuum, and the production of fatty acids and other high quality organic acids, once the recovery of the unsaponifiable fraction of residues from the industrialization of animal or vegetable products, is of great commercial interest. This is due to the fact that the "valuable products", have in many cases, vitamin activity, such as: tocopherols, sterols, carotenoids, vitamin A, vitamin K, vitamin D, while other products present cholesterol reducing properties, such as: sterols, tocotrienols, esqualene, etc; or even, anti-oxidant properties like: tocopherols, tocotrienols; as well as anti-carcinogenic properties such as: tocotrienols, sterols, lycopene, and alpha-carotene. Some other products are used as a structure for chemical-synthesis, like for example: sterols for hormone synthesis, vitamin D synthesis; and other products which have nutraceutic properties, apart from the commercial interest in some products, the cosmetic formulas of which present emulsifying properties, emulsion stabilizers and/or viscosity modifiers like for example sterols.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 6 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 81:17663 USPATFULL  
TITLE: Treatment of effluent  
INVENTOR(S): Akers, John B., Bebington, England  
Peters, David C., Heswall, England  
PATENT ASSIGNEE(S): Internationale Octrooi Maatschappij "Octropa"  
B.V., Rotterdam, Netherlands (non-U.S. corporation)

10/375,287

0000000000

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4259251		19810331
APPLICATION INFO.:	US 1980-119225		19800207 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1979-5290	19790214
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Niebling, John F.	
LEGAL REPRESENTATIVE:	Kramer, Barry	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	362	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for the production of fatty acid soaps from sludge, especially sewage sludge, comprises extracting sludge having a solids content of at least 15% by weight with a non-polar solvent to provide an extract containing fatty matter, and subsequently saponifying the fatty matter in the presence of a dipolar aprotic solvent having a dielectric constant of at least 15 to produce fatty acid soaps.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 7 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 79:20384 USPATFULL  
TITLE: Process for the separation of unsaponifiable constituents from tall oil  
fatty acids  
INVENTOR(S): Koebner, Adolf, The Retreat, St. Bees, Cumbria CA27  
OBY, England

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4151160		19790424
APPLICATION INFO.:	US 1977-854035		19771122 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Cockeram, H. S.		
LEGAL REPRESENTATIVE:	Young & Thompson		
NUMBER OF CLAIMS:	6		
EXEMPLARY CLAIM:	1		
LINE COUNT:	387		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The unsaponifiable constituents and fatty acids contained in tall oil

10/375,287

07/01/82

are separated by a process in which the fatty acids are converted into low melting soaps which are soluble in the unsaponifiable constituents and such constituents then distilled from a homogeneous medium. Thereafter, the fatty acids can be recovered by distillation after saponification of said low melting soaps.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 8 OF 8 USPATFULL on STN  
ACCESSION NUMBER: 74:42144 USPATFULL  
TITLE: LANOLIN DERIVATIVES ESSENTIALLY COMPRISING  
ESTERS OF LANOLIN ALCOHOL WITH LACTIC ACID  
INVENTOR(S): Kraft, Elise, 2109 Broadway, New York, NY,  
United States 10023  
Rockway, Schlossman, Mitchell L., 20 Lake Shore Dr.,  
NJ, United States 07866

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3835169		19740910
APPLICATION INFO.:	US 1971-156023		19710623 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Gotts, Lewis		
ASSISTANT EXAMINER:	Rivers, Diana G.		
NUMBER OF CLAIMS:	2		
LINE COUNT:	464		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB Lanolin derivatives essentially comprising esters of lanolin alcohol with lactic acid and higher fatty acids are provided. The derivatives are prepared by direct reaction of lanolin alcohol with the higher fatty acid.

The lanolin derivatives disclosed are especially adapted for use as essential or advantageous ingredients of various cosmetic compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.